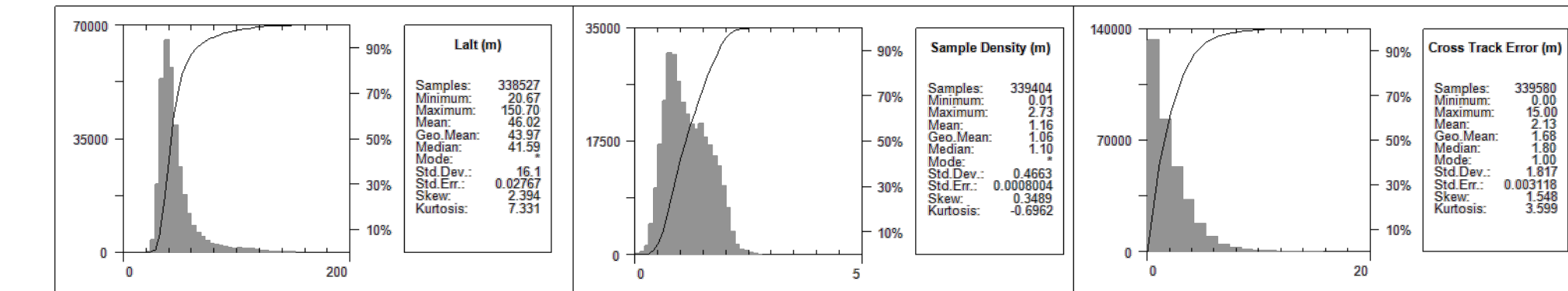
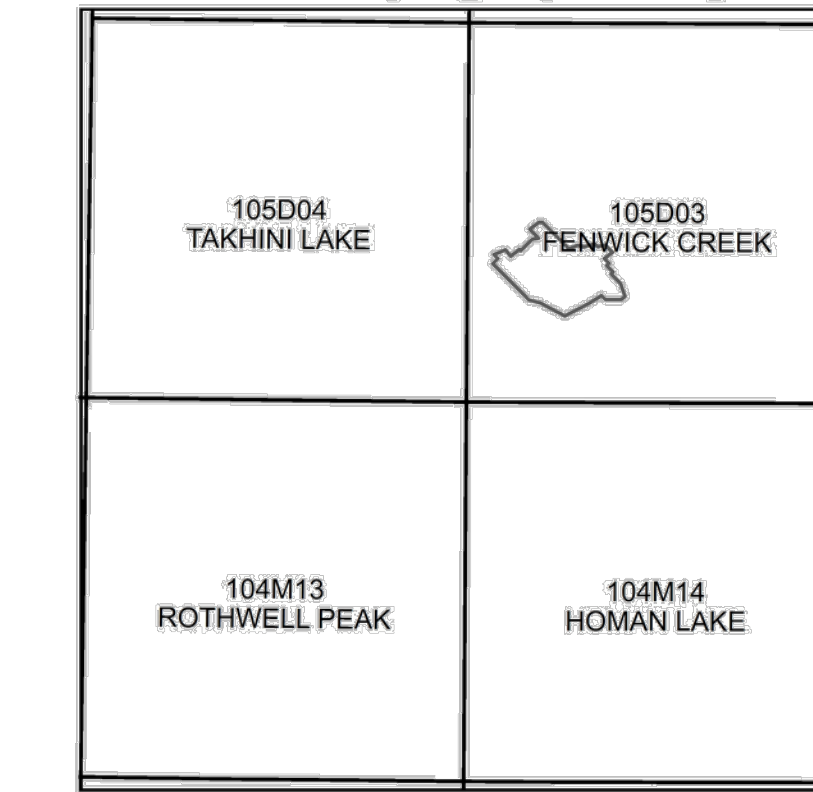


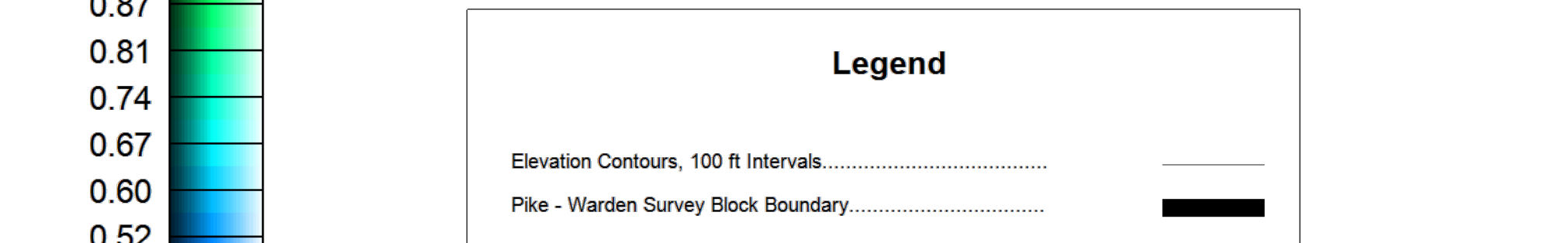
National Topographic System



**MAP PROJECTION**  
 Projection: Universal Transverse Mercator Zone 8N  
 Datum: WGS 84  
 Local Datum Transform: World

**PIKE-WARDEN SURVEY SPECIFICATIONS**  
 Survey Dates: July 8 and July 9, 2021  
 Survey Base: Mt. Skukum camp, BC  
 Aircraft Type: Airbus AS350 helicopter  
 Registration: C-GSVY  
 Survey Technology: Gradient magnetic, VLF-EM, and radiometric survey  
 Total Line km: 395 km  
 Mean Survey Height: 46.0 meters  
 Survey Line Spacing: 100 meters  
 Survey Line Direction: 135°/315°  
 Tie Line Spacing: 1000 meters  
 Tie Line Direction: 045°/225°

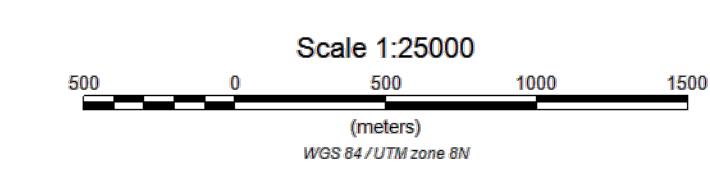
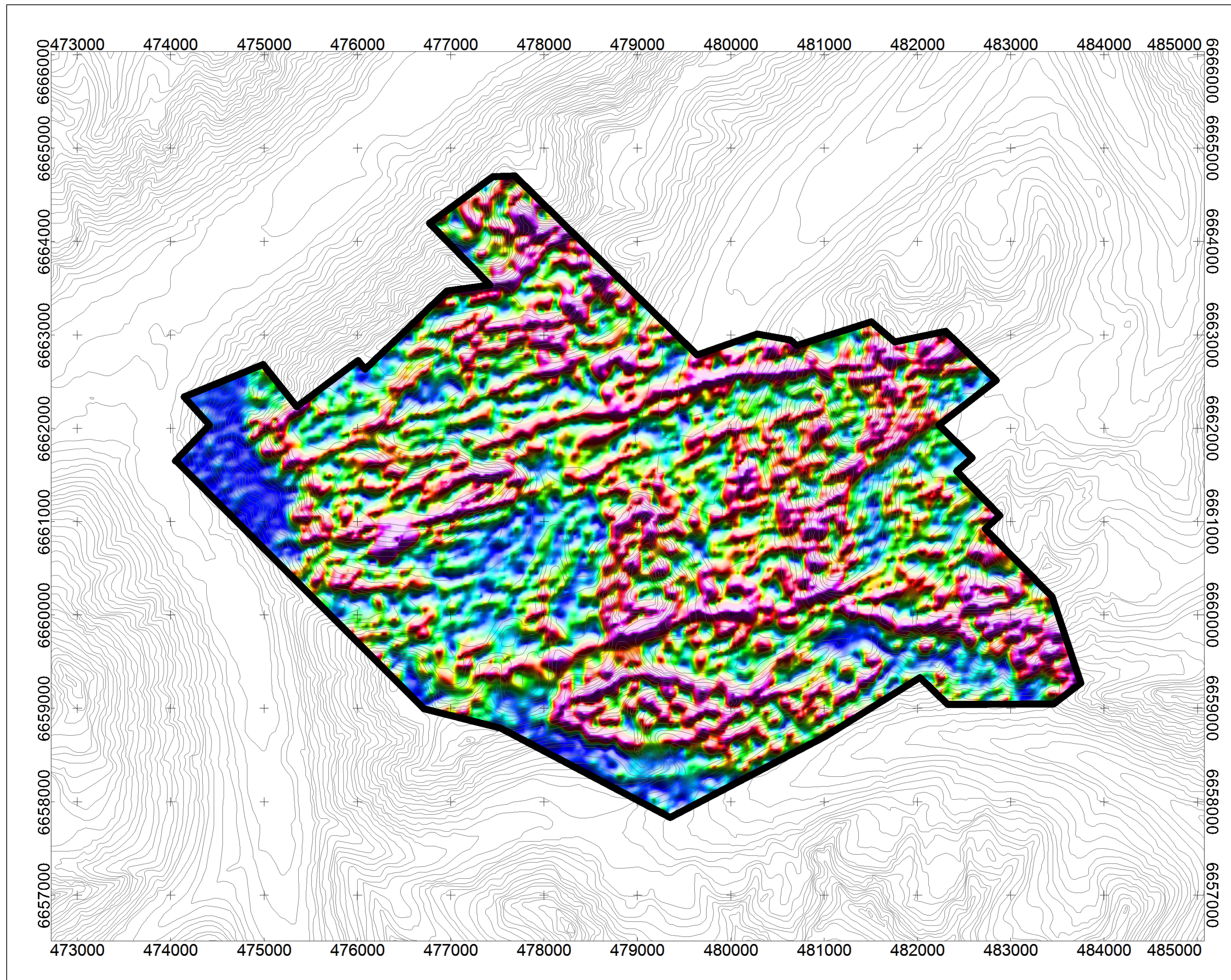
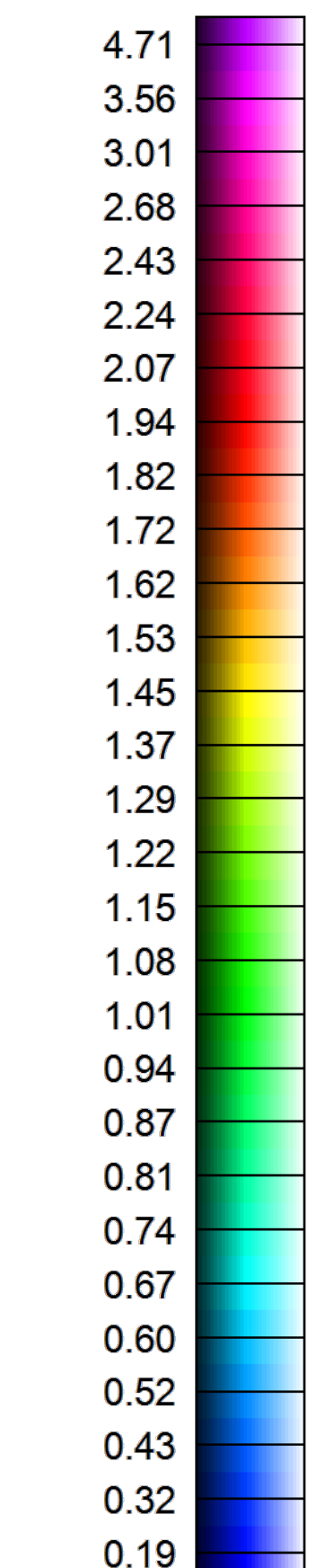
**AIRBORNE SURVEY SYSTEM**  
 Magnetometer Sensors: 2 x Scintrex CS-3 Cesium  
 1 x Geometrics G-822A Cesium  
 Configuration: Triple gradient boom with 3 axis compensation  
 Sample Rate: 20 Hz  
 Sensitivity: 0.0006 nT  $\sqrt{\text{Hz}}$  rms  
 VLF-EM Receiver: Herz Totem-2A  
 Sample Rate: 20 Hz  
 Transmitter Stations: NML - LaMoore, ND 25.2 kHz  
 NLK - Seattle, WA 24.8 kHz  
 Gamma Ray Spectrometer: Pico Envirotec AGRS-5  
 Downward-Looking Crystals: 16.8 litres of NaI(Tl)  
 Upward-Looking Crystal: 4.2 litres of NaI(Tl)  
 Sample Rate: 1 Hz (Resampled to 20 Hz)



**DATA REFERENCE**  
 Horizontal Gradient (HG) is the magnitude of the measured in-line and cross-line gradients. Refer to report for details. HG is represented as a grid and drawn with a histogram-equalized wet-look colour shade; sun illumination inclination at 0° and declination at 000°.

**TOPOGRAPHIC REFERENCE**  
 National Topographic Data Base (NTDB), Canada. Ottawa, ON: Government of Canada, Natural Resources Canada, Center for Topographic Information.  
 URL: <http://ftp.geogratis.gc.ca/pub/nrcan/mcan/vector/ntdb\_bndt/>[2007]

HG (nT/m)



Pike-Warden Survey Block

Magnetic Map  
 Horizontal Gradient

